

# INTERNATIONAL SEARCH REPORT

International Application No

/GB2004/001386

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L1/06

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>ABE T ET AL: "Space-time turbo equalization and symbol detection in frequency selective MIMO channels" VTC FALL 2001. IEEE 54TH. VEHICULAR TECHNOLOGY CONFERENCE. PROCEEDINGS. ATLANTIC CITY, NJ, OCT. 7 - 11, 2001, IEEE VEHICULAR TECHNOLOGY CONFERENCE, NEW YORK, NY : IEEE, US, vol. VOL. 1 OF 4. CONF. 54, 7 October 2001 (2001-10-07), pages 1230-1234, XP010562628 ISBN: 0-7803-7005-8 the whole document</p> <p style="text-align: center;">----- -/--</p>	1-24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex

**\* Special categories of cited documents:**

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

14 July 2004

Date of mailing of the international search report

27/07/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	EP 0 951 091 A (LUCENT TECHNOLOGIES INC) 20 October 1999 (1999-10-20) paragraphs '0003!', '0007!', '0008!', '0022!' - '0027!', '0035! figures 5-8	1-24
Y	TAO M ET AL: "Low complexity post-ordered iterative decoding for generalized layered space time coding systems" 11 June 2001 (2001-06-11), ICC 2001. 2001 IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS. CONFERENCE RECORD. HELSINKY, FINLAND, JUNE 11 - 14, 2001, IEEE INTERNATIONAL CONFERENCE ON COMMUNICATIONS, NEW YORK, NY : IEEE, US, PAGE(S) 1137-1141 , XP010553506 ISBN: 0-7803-7097-1 the whole document	1-24
Y	DJOUADI A ET AL: "A parallel QR algorithm for the symmetrical tridiagonal eigenvalue problem" SIGNALS, SYSTEMS AND COMPUTERS, 1992. 1992 CONFERENCE RECORD OF THE TWENTY-SIXTH ASILOMAR CONFERENCE ON PACIFIC GROVE, CA, USA 26-28 OCT. 1992, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 26 October 1992 (1992-10-26), pages 591-595, XP010031142 ISBN: 0-8186-3160-0 page 591	1-24
Y	GUPTA N D ET AL: "Reconfigurable computing for space-time adaptive processing" FPGAS FOR CUSTOM COMPUTING MACHINES, 1998. PROCEEDINGS. IEEE SYMPOSIUM ON NAPA VALLEY, CA, USA 15-17 APRIL 1998, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 15 April 1998 (1998-04-15), pages 335-336, XP010298200 ISBN: 0-8186-8900-5 the whole document	1-24
A	US 4 688 187 A (MCWHIRTER JOHN G) 18 August 1987 (1987-08-18) abstract	1-24

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